

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A heater resistance-(2) for heating a solid part-(20), the resistance comprising: an electric wire-(10) within a tube; and a ceramic sheath-(16) surrounding the wire and interposed between the wire and the tube; wherein the sheath includes a woven layer.
2. (Currently Amended) A heater resistance according to claim 1, wherein the woven layer (16) comprises threads of alumina (Al_2O_3).
3. (Currently Amended) A heater resistance according to claim 1, wherein the woven layer (16) comprises threads of silica (SiO_2).
4. (Currently Amended) A heater resistance according to claim 1, wherein the woven layer (16) comprises threads of borate (B_2O_3).
5. (Currently Amended) A heater resistance according to claim 1, further comprising a mass (14) of electrically insulating material, interposed between the wire-(10) and the sheath-(16).
6. (Currently Amended) A heater resistance according to claim 5, wherein the insulating mass-(14) includes a mineral.
7. (Currently Amended) A heater resistance according to claim 1, including a portion-(6) of generally elongate shape.
8. (Currently Amended) A heater resistance according to claim 1, further comprising a connector-(4) and heater segment-(6) and a connection segment-(8) adjacent to the connector, the wire-(10) having a cross-section in the connection section of area that is greater than the area of the cross-section of the wire in the heater segment.
9. (Currently Amended) A heater resistance according to claim 1, further comprising a connector-(4) and a portion-(8) adjacent to the connector that is tapering in shape.

10. (Currently Amended) A probe mounted on board a vehicle for measuring an air flow parameter, including temperature, the probe comprising a body-~~(22)~~ and at least one heater resistance-~~(2)~~ according to claim 1, the heater resistance being secured to the body.
11. (Currently Amended) A probe according to claim 10, wherein the heater resistance-~~(2)~~ is of a shape that is not plane.
12. (Currently Amended) A probe according to claim 10, wherein the heater resistance-~~(2)~~ extends at the outside of the body-~~(22)~~.
13. (Currently Amended) A method of fabricating a probe for mounting on board a vehicle for measuring an air flow parameter including temperature, the method comprising deforming a heater resistance-~~(2)~~ according to claim 1 in order to enable the heater resistance to be secured to a body-~~(22)~~ of the probe.
14. (Currently Amended) A heater resistance according to ~~Claim~~claim 6, wherein the mineral includes magnesia (MgO).